

Practitioner's Docket No. 99CR100/KE

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: C. David Young et al.

Application No.: 09/649,802

Group No.: 2667

Filed: August 29, 2000

Examiner: B. Wong

For: Maintaining An Adaptive Broadcast Channel Using Both Transmitter Directed And Receiver Directed Broadcasts

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Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

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TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
BEFORE MAILING DATE OF EITHER A FINAL ACTION
OR NOTICE OF ALLOWANCE (37 C.F.R. § 1.97(c))

TIME OF TRANSMITTAL OF ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT

1. The information disclosure statement transmitted herewith is being filed *after* three months of the filing date of this national application or the date of entry of the national stage as set forth in Section 1.491 in an international application or after the mailing date of the first Office action on the merits, whichever event occurred last but *before* the mailing date of either

- (1) a final action under § 1.113 or
(2) a notice of allowance under § 1.311

whichever occurs first.

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*

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Express Mail certification is *optional*.)

I hereby certify that, on the date shown below, this correspondence is being:

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37 C.F.R. § 1.8(a)

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☐ facsimile transmitted to the Patent and Trademark Office, (703) _____

Date: June 11, 2004

Signature

Sheila K. Mathews

Sheila K. Mathews

(type or print name of person certifying)

* Only the date of filing (' 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under ' 1.8 continues to be taken into account in determining timeliness. See ' 1.703(f). Consider "Express Mail Post Office to Addressee" (' 1.10) or facsimile transmission (' 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

FEE

2. Accompanying this transmittal is the fee for submission of an information disclosure statement under section 1.97(c). (\$180.00)

FEE PAYMENT

3. Applicant elects the option to pay the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under § 1.97(c) (\$180.00).

Fee due \$180.00

METHOD OF PAYMENT OF FEE

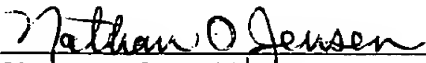
4. Authorization is hereby made to charge the amount of \$180.00 to Deposit Account No. 18-1722.

Charge any additional fees required by this paper or credit any overpayment in the manner authorized above.

A duplicate of this paper is attached.

Date: June 11, 2004

Reg. No.: 41,460
Tel. No.: 319-295-1184
Customer No.: 26383



Signature of Practitioner

Nathan O. Jensen
Rockwell Collins, Inc.
Intellectual Property Department M/S 124-323
400 Collins Road NE
Cedar Rapids, IA 52498



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:) GROUP ART UNIT: 2667
INVENTOR: C.David Young et al.) EXAMINER: B. Wong
SERIAL NO.: 09/649,802) DOCKET REF.: 99CR100/KE
FILED: August 29, 2000) SUBMITTED: June 11, 2004

FOR: MAINTAINING AN ADAPTIVE BROADCAST CHANNEL USING BOTH
TRANSMITTER DIRECTED AND RECEIVER DIRECTED BROADCASTS

INFORMATION DISCLOSURE STATEMENT

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Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

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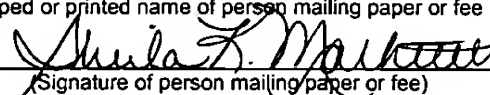
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Dear Sir:

In accordance with 37 C.F.R. §1.56, the references listed below and on the
attached for PTO-1449 are being brought to the attention of the Examiner for
consideration in connection with the examination of the above-identified patent
application. Copies of the cited documents, other than non-U.S. Patents and Published
U.S. Applications, are enclosed.

06/17/2004 MMEKONEN 00000089 181722 09649802

01 FC:1806 180.00 DA

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Date of Deposit	June 11, 2004
I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner of Patents, Mail Stop _____, P.O. Box 1450 Alexandria, VA 22313-1450.	
Sheila K. Mathews	
Typed or printed name of person mailing paper or fee	
	
(Signature of person mailing paper or fee)	

English-Language Documents

U.S. Patent No.	Inventor	Issue Date (Month/Year)
6,094,429	Blanchette et al.	07/2000
6,324,184	Hou et al.	11/2001
5,625,629	Wenk	04/1997
6,310,867	Tat et al.	10/2001
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6,304,559	Jacklin et al.	12/2001
5,117,422	Hauptschein et al.	05/1992
5,425,609	Ofek et al.	09/1993
5,448,698	Wilkes	09/1995
5,598,417	Crisler et al.	01/1997
6,084,888	Watanabe et al.	07/2000
5,983,259	Campbell et al.	11/1999
5,920,703	Campbell et al.	07/1999
6,084,889	Murakami	07/2000
5,457,681	Gaddis et al.	10/1995
5,420,858	Marshall et al.	05/1995
6,711,177	Young et al.	03/2004
6,384,739	Roberts, Jr. et al.	05/2002
6,369,719	Tracy et al.	04/2002
6,014,089	Tracy et al.	01/2000
6,529,443	Downey et al.	03/2003
6,088,659	Kelley et al.	07/2000
6,556,899	Harvey et al.	04/2003
6,256,477	Eidson et al.	07/2001
6,414,955	Clare et al.	07/2002
6,389,273	Brandenburg	05/2002
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6,498,667	Masucci et al.	12/2002
6,574,199	Young et al.	06/2003
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6,094,425	Auger et al.	07/2000
6,489,996	Dupuy	10/2002
6,643,322	Varma et al.	11/2003
6,515,972	Gage et al.	02/2003
6,122,293	Frodigh et al.	09/2000
5,909,469	Frodigh et al.	06/1999

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U.S. Published Patent Application No.	Inventors	Publication Date
2002/0046381	Morris et al.	04/2002
2002/0001294	Amouris	05/2001
2003/0202574	Budka et al.	10/2003

Other English Language Documents:

L. Pond and V. Li, "Bridging the Gap Interoperability, Survivability, Security," 1989 IEEE MILCOM, Conference Record, Volume 1 of 3.

Bittle, Caples, Young, "Soldier Phone: An Innovative Approach to Wireless Multimedia Communications," 1998 IEEE MILCOM, Volume 3.

Sunlin, "A Hybrid Distributed Slot Assignment TDMA Channel Access Protocol," IEEE Military Communications Conference, 1990, Volume 3 of 3.

Young and Stevens, "Clique Activation Multiple Access (CAMA): A Distributed Heuristic for Building Wireless Datagram Networks," IEEE Military Communications Conference 1998, Volume 1.

Ju et al. "An Optimal Topology-Transport Scheduling Method in Multihop Packet Radio Networks." IEEE/ACM Transactions on Networking. June 1998. Pages 298-306.

Chakraborty et al. "Generic Algorithm for Broadcast Scheduling in Packet Radio Networks," Evolutionary Computation Proceedings, 1998. IEEE World Congress on Computational Intelligence. 4-9 May 1998. Pages 183-188.

Pond et al. "A Distributed Time-Slot Assignment Protocol for Mobile Multi-Hop Broadcast Packet Radio Networks," IEEE MILCOM, 1989. 15-18 October 1989. Pages 70-74.

Arikan, E. "Some Complexity Results about Packet Radio Networks," IEEE Transactions on Information Theory, v.IT-30, No. 4, July 1984, Pages 681-685.

Chou et al. "Slot Allocation Strategies for TDMA Protocols in Multihop Packet Radio Network." Eleventh Annual Joint Conference of the IEEE Computer and Communications Societies. 4-8 May 1992. Pages 710-716.

Oono et al. "Dynamic Slot Allocation Technology for Mobile Multi-Media TDMA Systems Using Distributed Control Scheme," IEEE. 12-16 Oct 1997. Pages 74-78.

Young, "USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol," Proc. IEEE MILCOM 1996, vol. 1, October 1996.

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Foreign Documents

JUN 23 2004

None

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This disclosure statement should not be construed as a representation that a search has been completed or that no other material information as defined in 37 C.F.R. §1.56(a) exists.

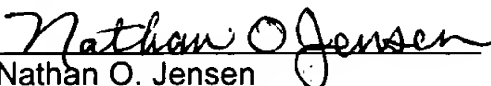
It is believed that this disclosure complies with the requirements of 37 C.F.R. §§ 1.56, 1.97, and 1.98, and the Manual of Patent Examining Procedures §609. If for some reason the Examiner considers otherwise, it is respectfully requested that the undersigned be called so that any deficiencies can be remedied.

Some of the documents may have markings thereon. No significance is meant to the attached markings.

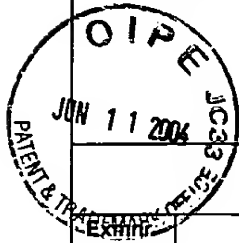
These documents are not necessarily analogous art.

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks.

Respectfully submitted,


Nathan O. Jensen
Attorney of Record
Reg. No. 41,460

ROCKWELL COLLINS, INC.
Intellectual Property Department
400 Collins Road NE M/S 124-323
Cedar Rapids, IA 52498
Telephone: (319) 295-1184
Facsimile No. (319) 295-8777
Customer No. 26383



INFORMATION DISCLOSURE

CITATION

Attorney Docket No.

99CR100/KE

Serial Number

Applicant

C. David Young et al.

Filing Date

August 29, 2000

Group

U. S. PATENTS

Initl	Document No.	Issue Date	Name	Class	Subclass	Filing Date
	6,304,559	12-2001	Jacklin et al.	370	310	
	5,117,422	05-1992	Hauptschein et al.	370	255	
	5,245,609	09-1993	Ofek et al.	370	348	
	5,448,698	09-1995	Wilkes	395	200.01	
	5,598,417	01-1997	Crisler et al.	370	348	
	6,084,888	07-2000	Watanabe et al.	370	473	
	5,983,259	11-1999	Campbell et al.	709	200	
	5,920,703	07-1999	Campbell et al.	709	236	
	6,084,889	07-2000	Murakami	370	474	
	5,457,681	10-1995	Gaddis et al.	370	402	
	5,420,858	05-1995	Marshall et al.	370	352	
	2002/0046381 A1	04-2002	Morris et al.	714	752	
	2002/0001294 A1	05-2001	Amouris	370	337	
		04-1998	Sharony et al.	370	330	
	5,594,720	01-1997	Papadopolous et al.	370	330	
	6,353,598	03-2002	Baden et al.	370	280	
	6,631,124	10-2003	Koorapaty et al.	370	337	
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	6,489,996	10-2000	Dupuy	370	337	

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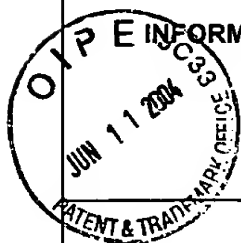
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Other Documents

Examiner

Date Considered

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



INFORMATION DISCLOSURE

CITATION

Attorney Docket No.

99CR100/KE

Serial Number

Applicant

C. David Young et al.

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Group

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Exmnr Initl	Document No.	Issue Date	Name	Class	Subclass	Filing Date
	6,711,177	03-2004	Young et al.	370	468	
	6,384,739	05-2002	Roberts, Jr. et al.	340	905	
	6,369,719	04-2002	Tracy et al.	340	870.02	
	6,014,089	01-2000	Tracy et al.	340	870.02	
	6,529,443	03-2003	Downey et al.	367	76	
	6,088,659	07-2000	Kelley et al.	702	62	
	6,556,899	04-2003	Harvey et al.	701	29	
	6,256,477	07-2001	Eidson et al.	455	63.3	
	6,414,955	07-2002	Clare et al.	370	390	
	6,389,273	05-2002	Brandenburg	455	296	
	6,466,793	10-2002	Wallstedt et al.	455	450	
	6,256,304	07-2001	Vayrynen	370	350	
	6,553,424	04-2003	Kranz et al.	709	234	
	5,396,496	03-1995	Ito et al.	370	314	
	5,295,140	03-1994	Crisler et al.	370	443	
	4,504,946	03-1985	Raychaudhuri	370	322	
	6,151,319	11-2000	Dommetty et al.	370	395.52	
	5,719,868	02-1998	Young	370	436	
	6,643,322	11-2003	Varma et al.	375	227	
	6,515,972	02-2003	Gage et al.	370	328	
	6,122,293	09-2000	Frodigh et al.	370	473	
	5,909,469	06-1999	Frodigh et al.	375	302	
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	6,498,667	12-2002	Masucci et al.	398	98	

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Other Documents

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<div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 2px solid black; border-radius: 50%; padding: 10px; margin-right: 10px; text-align: center;"> INFORMATION DISCLOSURE CITATION JUN 11 2004 PATENT & TRADEMARK OFFICE </div> <div> 0175 1033 </div> </div>			Attorney Docket No. 99CR100/KE		Serial Number	
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			Filing Date August 29, 2000		Group	
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	5,949,760	09-1999	Stevens et al.	370	280	
	6,252,868	06-2001	Diachina et al.	370	347	
	6,275,506	08-2001	Fazel et al.	370	459	
	5,748,362	05-1998	Delacourt et al.	359	326	
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	6,031,827	02-2000	Rikkinen et al.	370	330	
	4,763,322	08-1988	Eizenhofer	370	337	
	6,157,656	12-2000	Lindgren et al.	370	458	
Foreign Patent Documents						
	Document No.	Date	Country	Class	Subclass	Translation Yes No
Other Documents						
	L. Pond and V. Li, "Bridging the Gap Interoperability, Survivability, Security," 1989 IEEE MILCOM, Conference Record, Volume 1 of 3					
	Bittle, Caples, Young, "Soldier Phone: An Innovative Approach to Wireless Multimedia Communications," 1998 IEEE MILCOM, Volume 3.					
	Sunlin, "A Hybrid Distributed Slot Assignment TDMA Channel Access Protocol," IEEE Military Communications Conference, 1990, Volume 3 of 3.					
	Young and Stevens, "Clique Activation Multiple Access (CAMA): A Distributed Heuristic for Building Wireless Datagram Networks," IEEE Military Communications Conference 1998, Volume 1 Ju et al. "An Optimal Topology-Transport Scheduling Method in Multihop Packet Radio Networks." IEEE/ACM Transactions on Networking. June 1998. Pages 298-306.					
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INFORMATION DISCLOSURE CITATION	Attorney Docket No. 99CR100/KE	Serial Number
	Applicant C. David Young et al.	
	Filing Date August 29, 2000	Group

U. S. PATENTS

Exmnr Initl	Document No.	Issue Date	Name	Class	Subclass	Filing Date
	6,353,605	03-2002	Rautanen et al.	370	337	
	5,450,394	09-1995	Gruber et al.	370	17	
	5,502,722	03-1996	Fulghum	370	69	
	5,568,477	10-1996	Galand et al.	370	60	
	5,652,751	07-1997	Sharony	340	2.4	
	5,696,903	12-1997	Mahany	709	228	
	6,314,084	11-2001	Kahale et al.	370	230	
	5,581,548	12-1996	Ugland et al.	370	330	
	5,506,848	04-1996	Drakopolous et al.	370	336	

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Foreign Patent Documents

Document No.	Date	Country	Class	Subclass	Translation Yes No

Other Documents

	Chakraborty et al. "Generic Algorithm for Broadcast Scheduling in Packet Radio Networks," Evolutionary Computation Proceedings, 1998. IEEE World Congress on Computational Intelligence. 4-9 May 1998. Pages 183-188.
	Pond et al. "A Distributed Time-Slot Assignment Protocol for Mobile Multi-Hop Broadcast Packet Radio Networks," IEEE MILCOM, 1989. 15-18 October 1989. Pages 70-74
	Arikan, E. "Some Complexity Results about Packet Radio Networks," IEEE Transactions on Information Theory, v.IT-30, No. 4, July 1984, Pages 681-685.
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	Oono et al. "Dynamic Slot Allocation Technology for Mobile Multi-Media TDMA Systems Using Distributed Control Scheme," IEEE. 12-16 Oct 1997. Pages 74-78.
	Young, "USAP: A Unifying Dynamic Distributed Multichannel TDMA Slot Assignment Protocol," Proc. IEEE MILCOM 1996, vol. 1, October 1996

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